

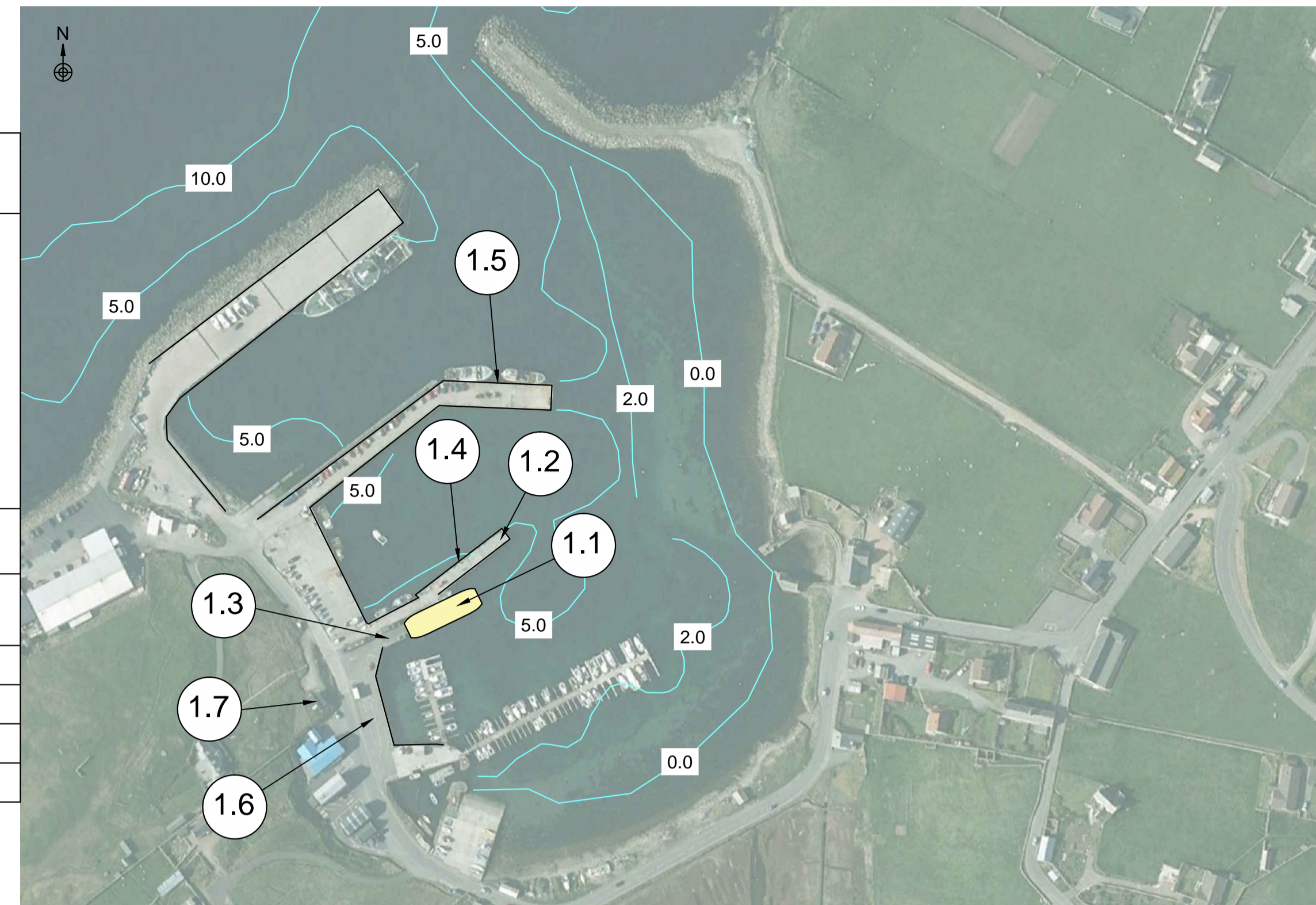
NTS



NTS

### 1) CURRENT CONDITION

1.1	Current Main Vessel	Size:	MV HENDRA	MV LINGA
		<ul style="list-style-type: none"> <li>Loa = 33.6 m</li> <li>Beam = 9.4 m</li> <li>Draught = 2.61 m</li> </ul>	<ul style="list-style-type: none"> <li>Loa = 36.21m</li> <li>Beam = 10.8m</li> <li>Draught = 3.19m</li> </ul>	
1.2	RoRo Ferry Berth	Capacity:	<ul style="list-style-type: none"> <li>95 passengers</li> <li>12PCU</li> </ul>	<ul style="list-style-type: none"> <li>95 passengers</li> <li>18PCU</li> </ul>
		<ul style="list-style-type: none"> <li>Inner side of a concrete jetty.</li> <li>27m of available berthing length</li> </ul>		
1.3	Linkspan	Large	9.3m wide x 20.47 m long	
1.4	Lay-by berth	for Whalsay day vessel		
1.5	Lay-by berth	for Skerries ferry		
1.6	Parking/waiting area	125 lane meters		
1.7	Facilities	Toilets & waiting room		

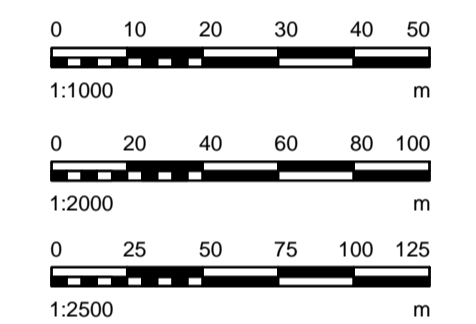


Approx. scale 1:2000

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  5. IMAGERY FROM GOOGLE EARTH.
  6. BED LEVELS FROM ADMIRALTY CHART 3284 MOUL OF ESWICK LUNNA HOLM INCLUDING OUT SKERRIES.
  7. BERTH STRUCTURE REQUIRES FURTHER ASSESSMENT TO ESTABLISH NECESSARY REPAIRS/STRENGTHEN WORKS OR COMPLETE REPLACEMENT TO COMPLY WITH A 30 YEARS SERVICE LIFE.
  8. FENDERS AND BOLLARDS FOR OVERNIGHT MOORING REQUIRE FURTHER ASSESSMENT TO ESTABLISH THEIR ADEQUACY FOR LARGER VESSELS.

**SHETLAND TIDAL LEVELS**

LOCATION	MHWS	MHWN	MLWN	MLWS
Dury Voe	2.1	1.6	0.9	0.3



### 2) LIKE FOR LIKE OPTION

No Terminal upgrades

2.1	Vessel	<b>TYPE 1</b>
See note 7.		

### 3) LARGER VESSEL

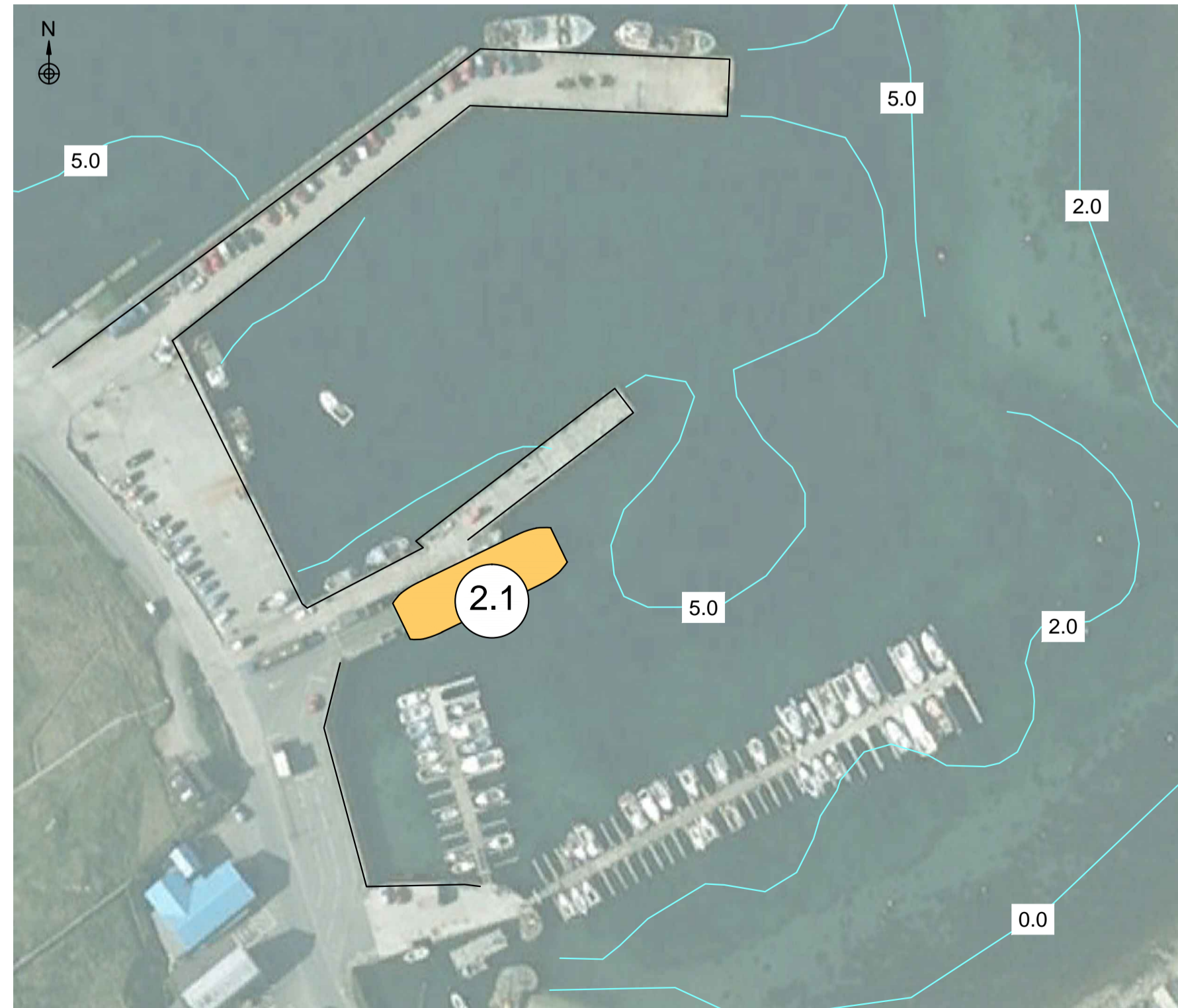
Terminal upgrades

3.1	Vessel	<b>TYPE 2</b>
3.2	RoRo Ferry Berth	Recommended to extend berthing platform aligned to vessel or improve mooring arrangement. See notes 7 & 8.

### 4) NEW HARBOUR AT WHALSAY (NORTH VOE)

Indicative layout

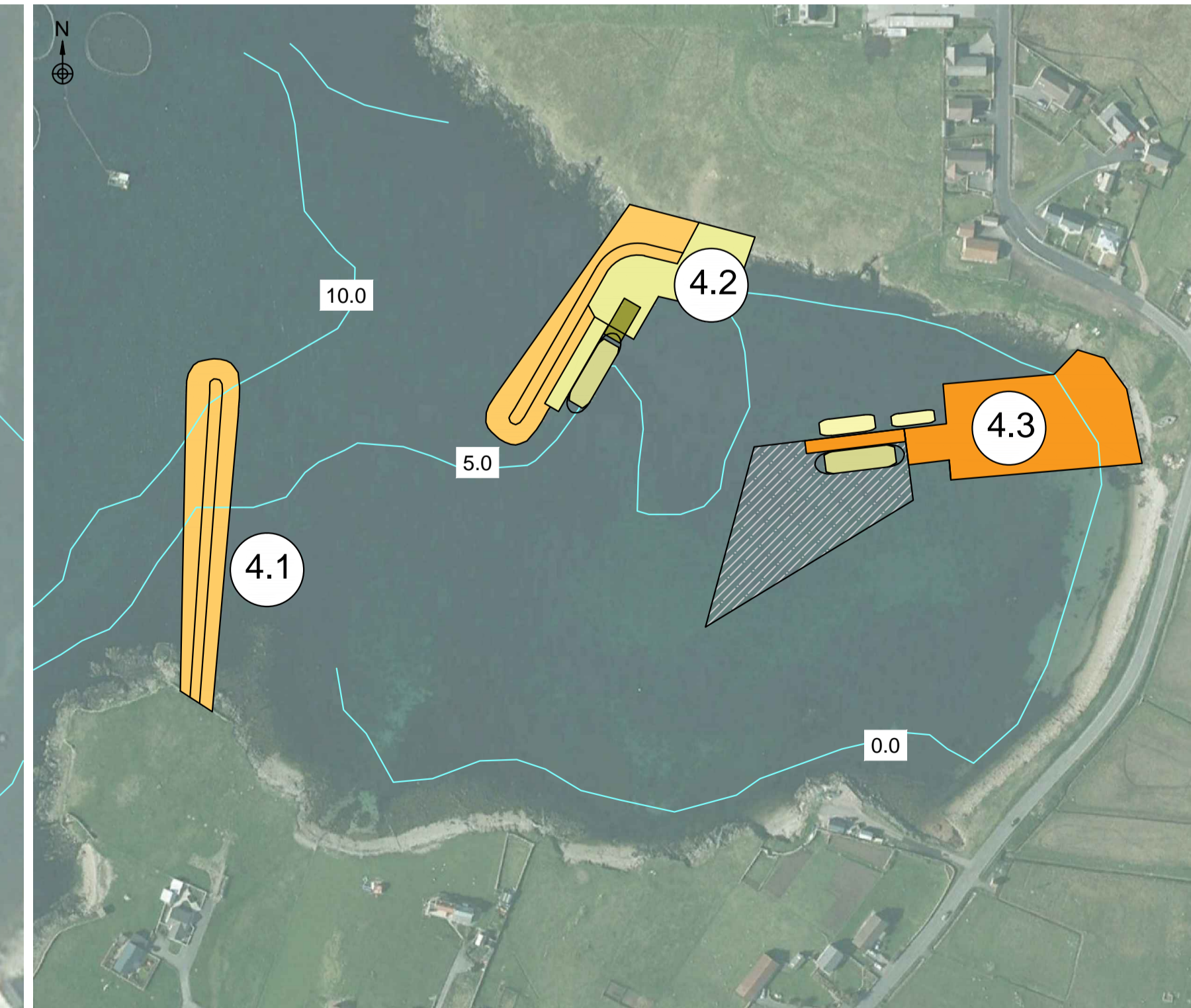
4.1	Breakwater	350m approx. to create circa 9 ha of protected waters. Breakwater layout is indicative.
4.2	RoRo Ferry Berth (op 1)	Jetty located inner side the breakwater to avoid dredging. This location will require construction of road access and dedicated parking/waiting area.
4.3	RoRo Ferry Berth & 2 lay-by berths (op 2)	This location will provide significant area for all the facilities that may be required. Dredging will need to be undertaken.



Approx. scale 1:1000



Approx. scale 1:1000



Approx. scale 1:2500



Reference Drawings:

Rev	Date	Details
C	18/07/16	SIC comments
B	15/06/16	PBA comments
A	25/04/16	Minor corrections

Client:



Project:  
**SHETLAND INTER-ISLAND TRANSPORT STUDY**

Title:  
**WHALSAY SYMBISTER OPTIONEERING**



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Status:	FOR DISCUSSION	Scale at A1 Original:	AS SHOWN
Drawn:	DP	Checked:	GR
Date:	07/03/16	Revision:	C
Drawing Number:	1537-01-701		

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